

## Food Intake

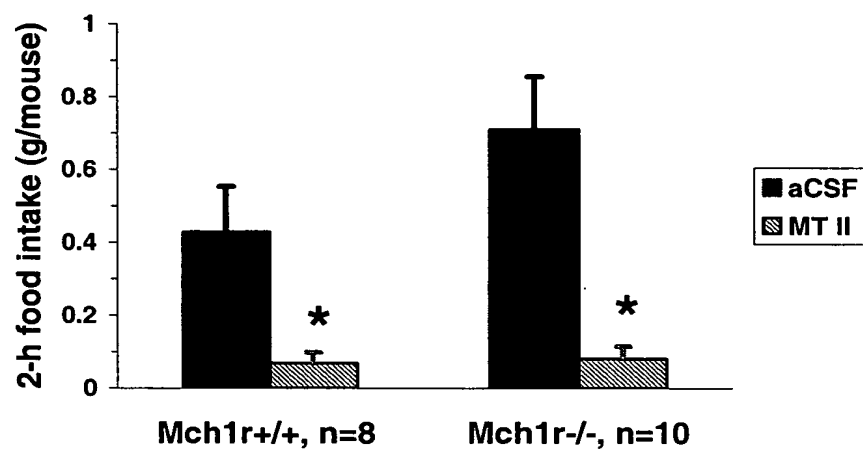


Figure 1

**Mch1r+/+:** wild type mice

**Mch1r-/-:** MCH1R knock out mice

**aCSF:** artificial cerebrospinal fluid

**MT-II:** Melanotan II, a melanocortin receptor agonist

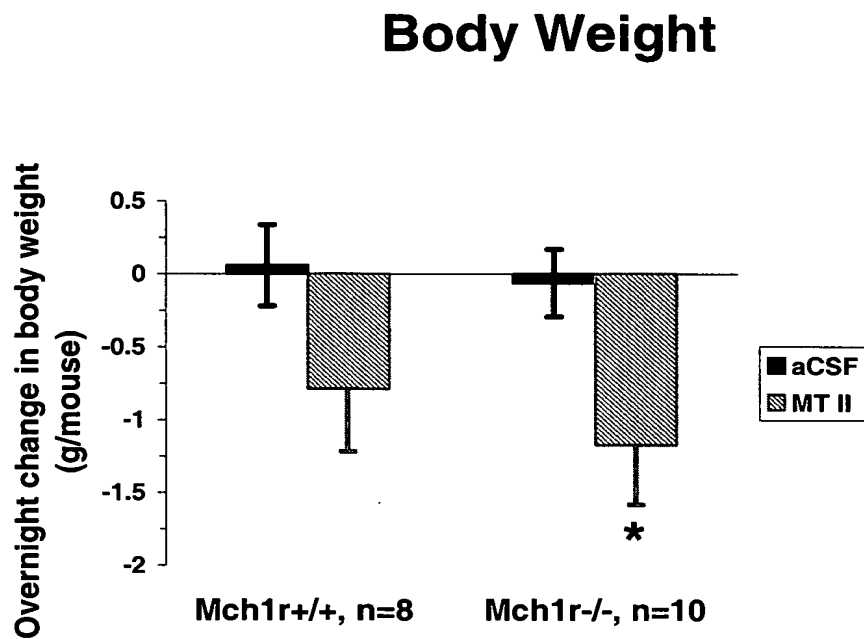


Figure 2

Mch1r+/+: wild type mice

Mch1r-/-: MCH1R knock out mice

aCSF: artificial cerebrospinal fluid

MT-II: Melanotan II, a melanocortin receptor agonist

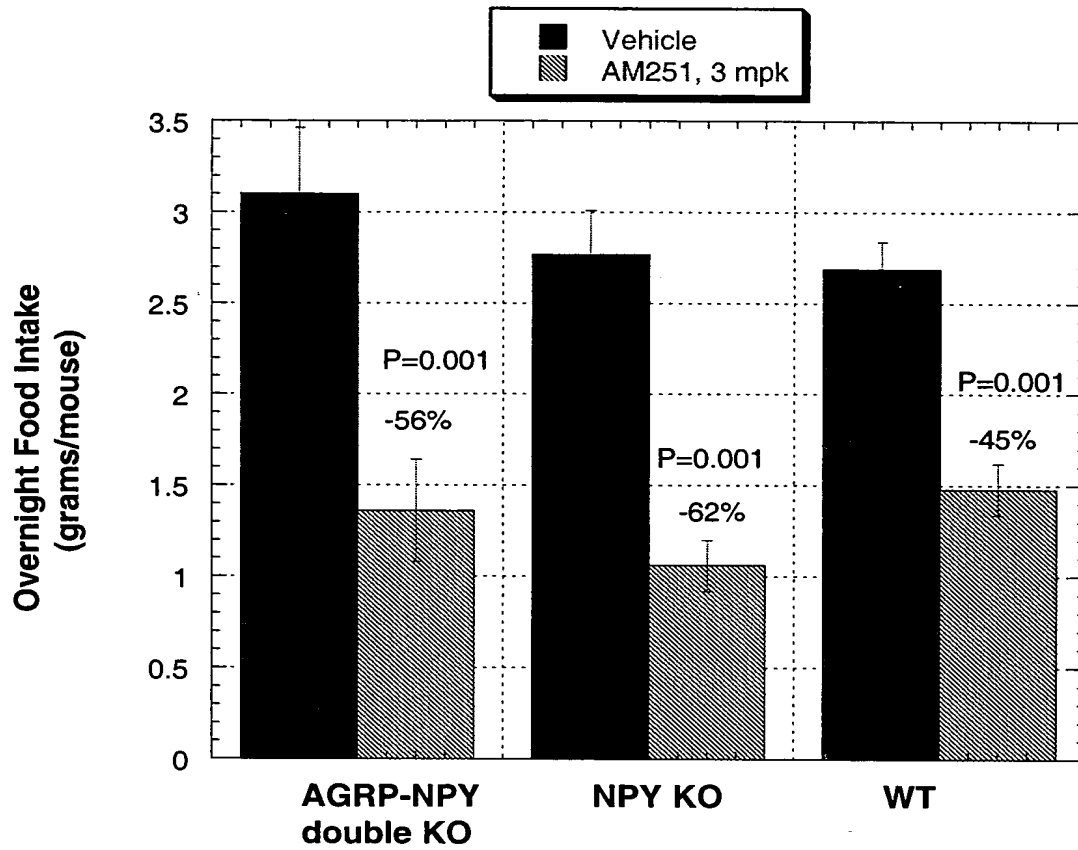


Figure 3

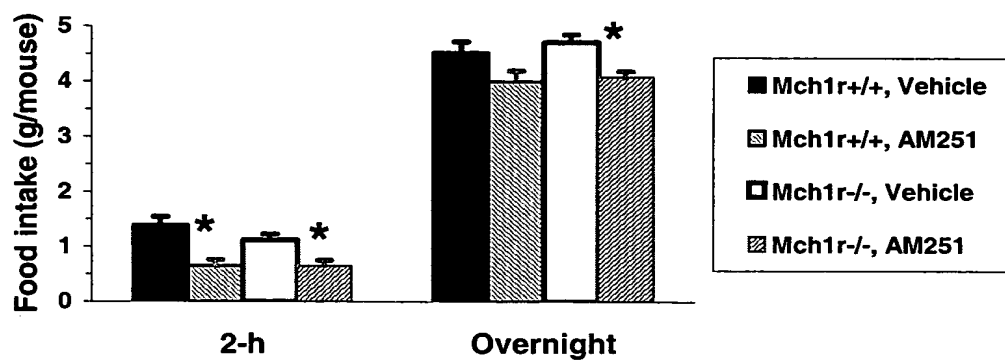
**AGRP-NPY double KO:** AGRP<sup>-/-</sup>-NPY<sup>-/-</sup>, agouti protein knockout and neuropeptide Y knockout mice

10 **NPY KO:** neuropeptide Y knock out mice

**WT:** AGRP<sup>+/+</sup>-NPY<sup>+/+</sup>, wild type mice

**AM-251:** a CB-1 inverse agonist

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Figure 4

Mch1r +/+ : wild type mice

Mch1r -/- : MCH1R knock out mice

10 AM251: CB1R inverse agonist, 5 mpk